

WBDG

Whole Building Design Guide



Federal Bldg. Oakland, CA U.S. Courthouse Las Vegas, NV Bldg. 33 Washington Navy Yard

2004 DoD Standardization Conference
Product/Process Certification Panel

WBDG/CCB/NGS Relationship



Construction Criteria Base (CCB)

- **Criteria distribution system for**
 - **Army Corps of Engineers**
 - **Naval Facilities Engineering Command**
 - **Air Force**
 - **Guard and Reserve Units**
 - **General Services Administration**
 - **USCG, NASA and others**
- **CD-ROM, DVD, Internet website**
- **Over 12,000 documents**
- **Over 13 years**
- **Approximately 6000 offices**
- **Approximately 38,000 users**



Industries

- >>[A/E/C \(Construction\)](#)
- >>[Aerospace & Aviation](#)
- >>[Automotive](#)
- >>[Electronics & Electrical](#)
- >>[Government & Military](#)
- >>[Petrochemical](#)
- >>[Telecommunications](#)
- >>[Utilities](#)



A/E/C (Construction)

Design and compliance to industry codes and standards are more important than ever due to heightened life safety and environmental safety issues. All phases of the design-build process require access to this mission-critical data.

Comprehensive Product Content Solutions

IHS is the most comprehensive source in the AEC industry for model codes and [standards](#).

Model Codes are available from the following organizations: [ICC](#), ICBO, [BOCA](#), SBCCI and [NFPA](#).

Standards, both active and historical, are available from many organizations including:

- | | | |
|--------------------------|------------------------|--------------------------|
| • AASHTO | • ASTM | • IESNA |
| • ACI | • AWS | • IEEE |
| • AGA | • AWWA | • NACE |
| • AREMA | • BHMA | • NEMA |
| • ARI | • BSI | • NFPA |
| • ASCE | • CGSB | • PPI |
| • ASHRAE | • CSA | • SMACNA |
| • ASME | • DIN | • SSPC |
| • ASSE | • GA | • UL |

Case Studies

Washington Group International - Web Access to Standards and Vendor Catalogs Cuts Library Costs and Improves Responsiveness >>

Brochures

Architectural, Engineering, Construction Information Solutions >>

Worldwide Standards Solutions >>

IHS TechConnect™ >>

ESDU Data Service >>

CatalogXpress® >>

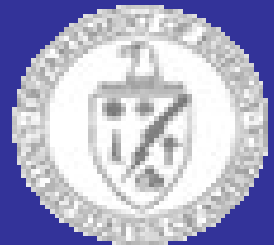
Press Releases

IHS Partners With National Institute of Building Sciences on Launch of New Design Guidance Web Site >>

IHS Integrates Browser Plug-In for Technical

WBDG/CCB Board of Direction

- Office of Secretary of Defense
- Naval Facilities Engineering Command
- Army Corps of Engineers
- Air Force
- General Services Administration
- Department of Energy



WBDG/CCB Advisory Committee

- Department of Defense
- Naval Facilities Engineering Command
- Army Corps of Engineers
- U.S. Air Force, AFCESA
- General Services Administration
- Department of Veterans Affairs
- National Aeronautics and Space Administration
- Federal Emergency Management Agency
- National Institute of Standards and Technology
- Department of Energy
- Department of State
- National Institutes of Health
- U.S. Access Board
- Department of Interior
- Environmental Protection Agency





WBDG Objectives

- ***Centralized Information Portal*** providing for the *uniform access and use* of facility information in a *knowledge based* management environment.
- ***Effective implementation of unified facilities criteria*** allowing for the sharing and consolidation of criteria, procedures and dissemination.
- ***Partnering and integration*** of public and private sector efforts through the appropriate integration of the best federal/private sector criteria

“The WBDG, organized and managed by NIBS, is a comprehensive knowledge-based Internet web site that is the sole portal to design and construction criteria produced by the Army Corps of Engineers, Naval Facilities Engineering Command, and US Air Force.”

Memorandum of Agreement signed 8 October 2003 by the Chief Engineers of DoD, ACOE, NAVFAC, AF

“The Whole Building Design Guide (WBDG) is a complete Internet resource that includes a wide range of building-related design guidance, criteria, and technology for incorporating sustainable building design principles in design decisions.

It is intended to encourage the “whole building approach” to design and construction and is used by Federal, military, and private sector architects, engineers, and project managers.”

John L. Howard, Jr., Federal Environmental Executive, “Leading by Example – A Report to the President on Federal Energy and Environmental Management (2000-2001),’ published December 2002

Criteria Access Example



Energy
Efficient
Lighting

WBDG



W B D G Resouce Page

Energy Efficient Lighting
w / Direct links to R P s for:
L ight. C ontrols, Daylighting, etc.

C C B Documents

U F C 3-530-01, Lighting
U F G S -16510, Interior Lighting

N G S

I E S N A Lighting Handbook
I E S N A R P -1, Office Lighting

w / Direct Links to
M a n u f a c t u r e r s of L u m i n a i r e s ,
L a m p s , B a l l a s t s &
L i g h t i n g C o n t r o l s

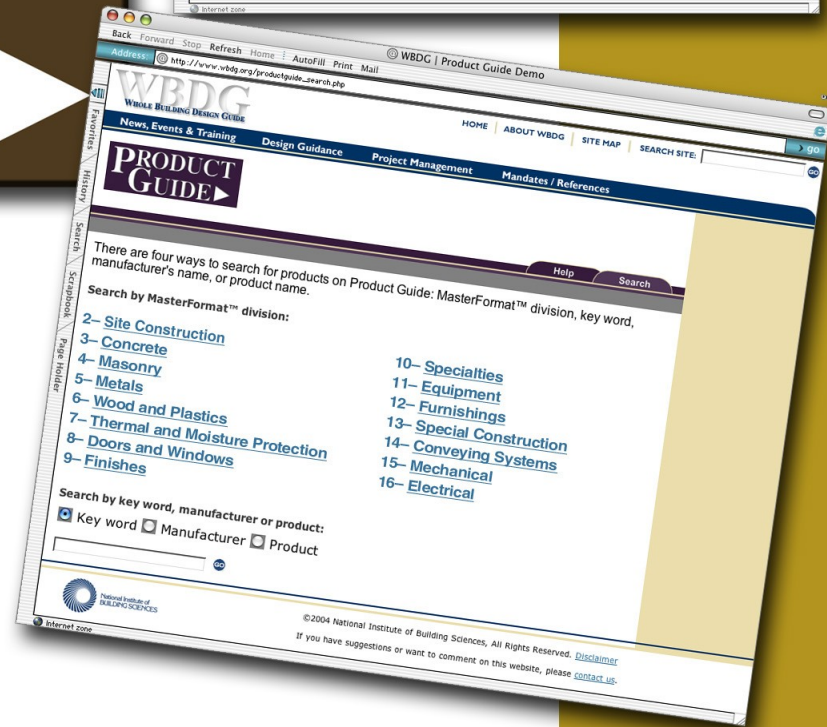
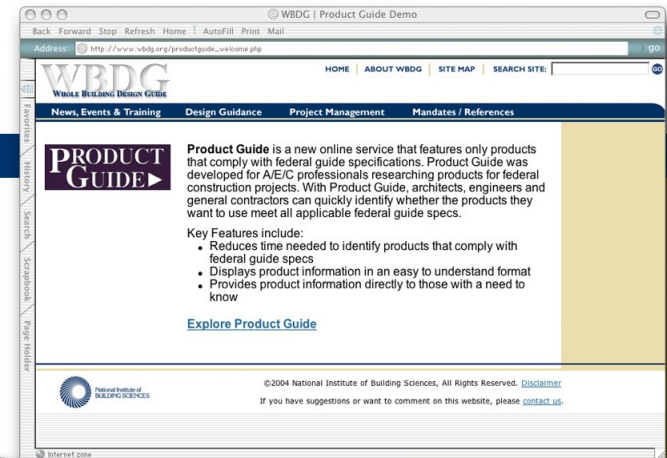
WBDG

WHOLE BUILDING DESIGN GUIDE

PRODUCT GUIDE ▶

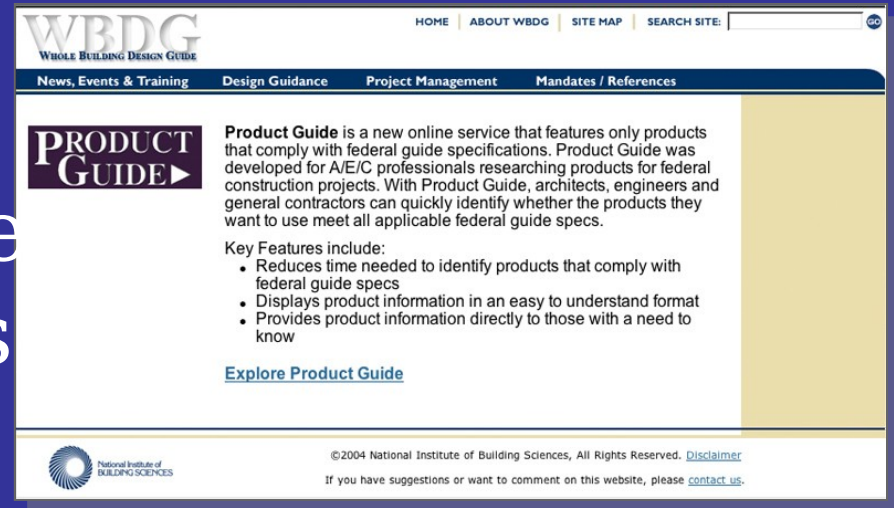


National Institute of
BUILDING SCIENCES



Product Guide

A new online service that helps architects, engineers, and general contractors to quickly identify construction products and materials complying with Federal guide specifications



WBDG Demonstration

www.wbdg.org